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NEW PRODUCT RELEASE

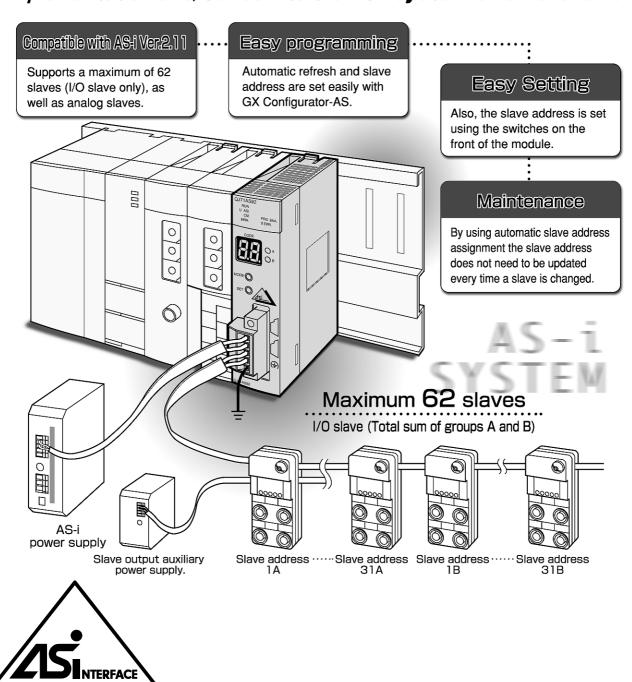
Mitsubishi PLC Mitsubishi Integrated FA Software

QJ71AS92 AS-i Master Module GX Configurator-AS Version 1



New!

Implementation of Q Series into the AS-i system is now available.



(1) QJ71AS92

The QJ71AS92 is compatible with AS-Interface Specification Version 2.11 (hereinafter referred to as AS-i Ver. 2.11) as a master module in an AS-i system.

[Feature]

■ Compatible with AS-i Ver. 2.11

The QJ1AS92 master can control a maximum of 62 slaves by splitting the slave addresses into two groups. Also, it can communicate with analog input or output slaves.

■ Easy programming

GX Configurator-AS (sold separately) enables the automatic refresh to be set from within the software, resulting in easy sequence programming, slave address setting, and monitoring of the setting and operation statuses.

Easy setting

You can configure the slave address just by using the switches on the front of the module.

■ Maintenance (Automatic slave address assignment function)

The QJ71AS92 automatically assigns the same address to the new slave (same type of product) whose slave address is 0, when changing a slave.

[Specifications]

Item		Specifications	
Max. number of AS-i slaves*1		62 (Group A: 31, Group B: 31)	
Max. number of I/O poir	nts *2 Input	248 points	
(1 point = 1 bit)	Output	248 points	
Max. number of analog		124 points	
points (1 point = 16 bits)) Output	124 points	
		Approx. 5ms (I/O slave group A and B are separate)	
I/O refresh time		Approx. 10ms (I/O slave group A and B are together))	
		Approx. 35ms (per analog slave channel)	
Communication speed		167kbps	
Max. transmission distance		100m (300m with two repeaters)	
Connection type		Bus network type (star, line, tree and ring types)	
Communication method		APM modulation method (Alternating Pulse Modulation)	
Error control method		Parity check	
Internal memory		EEPROM (for parameter setting), number of writes: 100,000 times	
Number of occupied I/O points		32 points (I/O assignment: 32 intelligent points)	
Cable type		Use dedicated AS-i cable.	
External power supply	Voltage	TYP. 30.5VDC (supplied by AS-i power supply)	
	Current consumption	46mA (TYP. 30.5VDC)	
5VDC internal current consumption		0.40A	
Weight		0.12kg	

^{*1:} This is the max. number of Ver. 2.11-compatible I/O slaves (can be grouped) configured in the same system. If Ver.2.11-compatible I/O slaves that cannot be grouped, analog slaves, and Ver. 2.04-compatible slaves are used together in the same system, calculate the max. number of slaves using the following expression.

(NIO-A +NIO-B)+2 × (NA+NIO)≤ 62 (Group A 31, Group B 31) Number of Group A Ver. 2.11-compatible slaves: NIO-A Number of analog slaves: NA

Number of Group B Ver. 2.11-compatible slaves: Nю-в Number of Ver. 2.04-compatible slaves: Nю

Slave Type	Grouping		
AS-i Ver. 2.11-compatible I/O slave	Please confirm with the manufacturer of the I/O slave unit whether the unit can be grouped.		
AS-i Ver. 2.04-compatible I/O slave	Disabled		
AS-i Ver. 2.11-compatible analog slave			

^{*2:} One slave uses four inputs and four outputs.

One analog slave also uses four inputs and four outputs.

(2) GX Configurator-AS Version 1

The GX Configurator-AS utility software incorporates two main features, automatic refresh setting and monitor/test.

- The QJ71AS92 automatic refresh data is set from within the software. This enables easier programming and reduces the sequence program without having to use separate TO/FROM instructions.
- 2) The monitor/test functions, provides easier monitoring/testing of network settings and operation status.

[Functions]

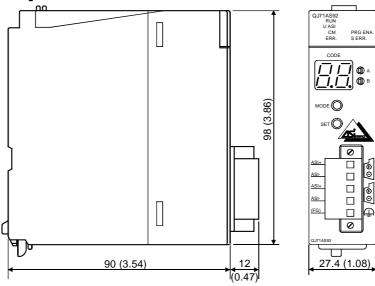
Feature	Functions	
	Automatic refresh setting	
Configuration	Configuration data registration	
	Configuration data save to EEPROM	
	X·Y monitor/test	
Monitor/test	Buffer memory monitor/test	
	Command request	

[Operating environment]

Item		Descriptions		
Operating system		Microsoft® Windows® 95 Operating System Microsoft® Windows® 98 Operating System Microsoft® Windows® Millennium Edition Operating System Microsoft® WindowsNT® Workstation4.0 Operating System		
Installation (Add-in) destination *1		Microsoft® Windows® 2000 Professional Operating System Add-in to GX Developer Version4 (English language version) or later *2		
Computer main unit		Pentium® (133 MHz ^{*3} or faster recommended) based personal computers that are compatible with Windows® Operating System		
Required memory		32 MB or more *4		
Available hard disk space	For installation	25MB or more		
	For operation	10MB or more		
Display resolution		800 imes 600 pixels or higher *5		

- *1: GX Configurator-AS requires GX Developer Version 4 or higher of the same language version.
 - The combined use of different language versions is not available (as shown below).
 - GX Developer (English version) and GX Configurator- AS (Japanese version)
 - GX Developer (Japanese version) and GX Configurator- AS (English version)
- *2: GX Configurator- AS cannot be used as an add-in with GX Developer Version 3 or earlier.
- *3: A Pentium® 150Mhz processor or higher is recommended when using Windows® Me.
- *4: 64MB or more memory is recommended when using Windows 2000.
- *5: Choosing "Small Fonts" size for Windows® is recommended as setting to "Large Fonts" might cause the text to extend off the screen.

[External Dimensions]



Unit: mm (inch)

[Manual]

Manual name	Manual supply status	IB/SH No.	Model code
AS-i Master Module User's Manual (Hardware)	Included with product	IB-0800225-A	13JT88
AS-i Master module User's Manual	Sold separately *	SH-080291E-A	13JR53

^{*1:}This product includes the manual data in PDF format. In addition, Acrobat Reader, the software needed to view PDF format document on a personal computer, is included. The printed manual is also available separately.

Notes

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